BET Required Instrumentation (Effective January 1, 2019)

Discipline / Function			RANGE	ACCURACY	RESOLUTION	NOTES	Calibration requirements
Air	Air Pressure		0 in wg to 10 in wg	2% of reading ± 0.001 in wg	0.001 in wg < 1 in wg 0.01 in wg > 1 in wg		12 Months
			0 Pa to 2500 Pa	2% of reading ± 0.25 Pa	0.10 Pa < 250 Pa 10 Pa > 250 Pa		
	Air Velocity Instrument		100 fpm to 3500 fpm	± 5% of reading ± 7 fpm	1 fpm		12 Months
			0.50 m/s to 20 m/s	± 5% of reading ± 0.04 m/s	0.01 m/s		
Temperature	Air Meter with probe		-20 °F to 200 °F	± 0.5% of reading + 2.0 °F	0.1 °F		12 Months
			-30 °C to 100 °C	± 0.5% of reading + 1.0 °C	0.1 °C		
BET / RCx Instruments	Δ Temp Documentation Thermal Camera		-4 °F to 450 °F	± 2% or 3.6 °F	0.1 @ 86 °F & 160 x 120		Per Manufacturer's Requirements
			-20 °C to 232 °C	± 2% or -15.7 °C	0.1 @ 30 °C & 160 x 120		
BET Instruments	Test Fan w/digital pressure flow measurement system		Not Applicable	± 4% of reading	Orifice Plate or Nozzle		Per Manufacturer's Requirements

NOTES

*1 CPT Option - choose only Option 1 OR Option 2 - along with required instrument for CPT certification (All instruments in any of the chosen is required)

*2 FHT Orifice Calibrator - Choose only one

*3 Refer to Appendix A for complete instrumentation requirements for Sound Measurement (SM)

*4 Firms may own or rent vibration equipment instrumentation for vibration certification.

*5 Calibration Requirement: Data logger calibration may be verified from a calibrated instrument with an associated calibration form showing calibration readings from both the calibrated instrument and the data logger. If a data logger is out of calibration and cannot be adjusted, the logger must be sent back to the factory for re-calibration or be replaced

General Note: Some local jurisdictions require qualified electrician for any electrical readings

Calibration Requirement

Instruments require NIST Traceable calibration or National Metrology Institutes (NMI) which exist in many countries maintaining primary measurements of standards; such as NPL in the UK, PTB in Germany and many others which are approved for those regions.